

## CLAIMS:

1. A high-pressure discharge lamp provided with a discharge vessel with a ceramic wall which is closed at an end by a projecting plug through which a lead-through construction extends from an end of the projecting plug to an electrode arranged in the discharge vessel, part of said lead-through construction being a cermet, characterized in that

5 the cermet is directly fastened to the projecting plug by means of a sintered joint.

2. A high-pressure discharge lamp as claimed in claim 1, characterized in that the projecting plug extends over a length L, and the sintered joint has a length of at most 0.8 L.

10 3. A high-pressure discharge lamp as claimed in claim 2, characterized in that the sintered joint extends into the projecting plug in a direction from the end to a distance away from the end of at most 0.5 mm.

15 4. A high-pressure discharge lamp as claimed in claim 1, 2, or 3, characterized in that the cermet has a tapering shape adjacent the end and is provided with a narrowed portion.

5. A high-pressure discharge lamp as claimed in claim 1 or 2, characterized in that the lamp is a metal halide lamp.

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6. A high-pressure discharge lamp as claimed in claim 1 or 2, characterized in that the lamp has a power rating of at least 100 w.

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